

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
7175-67612APPLICANT  
Henley, et al.FILING DATE  
January 16, 2001

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Serial No.  
09/143,737

JUL 10 2001

TECHNOLOGY CENTER R3700

## INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
L	AA	641,061	02 Aug 1850	MacLaurin			
	AB	774,529	08 Nov 1904	Nieschang			
	AC	1,000,001	08 Aug 1911	Holz			
	AD	1,355,846	19 Oct 1920	Rannells			
	AE	1,385,346	19 Jul 1921	Taylor			
	AF	1,936,129	21 Nov 1933	Fisk			
	AG	2,195,771	02 Apr 1940	Estler			
	AH	3,026,874	27 Mar 1962	Stevens			
	AI	3,367,332	06 Feb 1968	Groves			
	AJ	3,382,867	14 May 1968	Reaves			
L	AK	3,610,238	05 Oct 1971	Rich			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	DE 4111122	29 Apr 1993	Germany			
	AM	DE 2809828	21 Sep 1978	Germany			
	AN	DE 372727	31 Mar 1923	Germany			
	AO	DK 0064055	15 Oct 1945	Denmark			
✓	AP	EP 0777504	21 Oct 1998	Europe			

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

L	AR	Davydov, et al., Vestn. Khir., Sept. 1988 - "Vacuum Therapy in the Treatment of Acute Suppurative Diseases of Soft Tissues and Suppurative Wounds" - (English translation by R. McElroy Translation Co., Austin, Texas)
	AS	Davydov, et al., Khirurgiia, June 1990 - "Pathogenic Mechanism of the Effect of Vacuum Therapy on the Course of the Wound Process" (English translation by R. McElroy Translation Co., Austin, Texas)
	AT	Davydov, et al., Vestn. Khir., Nov. 1986 - "Vacuum Therapy in the Treatment of Suppurative Lactation Mastitis" (English translation by R. McElroy Translation Co., Austin, Texas)
	AU	Davydov, et al., Vestn. Khir., Oct. 1988 - "Bacteriological and Cytological Evaluation of the Vacuum Therapy of Suppurative Wounds" (English translation by R. McElroy Translation Co., Austin, Texas)
	AV	Davydov, et al., Vestn. Khir., Mar. 1990 - "Basis of the Use of Forced Early Secondary Suture in the Treatment of Suppurative Wounds" (English translation by R. McElroy Translation Co., Austin, Texas)
	AW	Mirazimov, et al., Ortop Travmatol Protez., Oct. 1966 - "Free Skin Graft of the Foot with Preparation of the Wound Surface by Vacuum Treatment" (English translation by R. McElroy Translation Co., Austin, Texas)
	AX	Borzov, et al., Vestn. Dermatol. Venerol., Aug. 1965 - "Vacuum Therapy of Some Skin Diseases" (English translation by R. McElroy Translation Co., Austin, Texas)
	AY	Jeter, et al., Chronic Wound Care; 27: pp. 240-246 - "Managing Draining Wounds and Fistulae: New and Established Methods"
L	AZ	Mulder, et al., Wound Healing Publications 1991 - "Clinicians' Pocket Guide to Chronic Wound Repair"

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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Enter Date if Appropriate
h	BA	3,874,387	01 Apr 1975	Barbieri			
	BB	4,080,970	28 Mar 1978	Miller			
	BC	4,112,947	12 Sep 1978	Nehring			
	BD	4,139,004	13 Feb 1979	Gonzalez, Jr.			
	BE	4,149,541	17 Apr 1979	Gammons et al.			
	BF	4,224,941	30 Sep 1980	Stivala			
	BG	4,250,882	17 Feb 1981	Adair			
	BH	4,275,721	30 Jun 1981	Olson			
	BI	4,373,519	15 Feb 1983	Errede et al.			
	BJ	4,382,441	10 May 1983	Svedman			
h	BK	4,465,062	14 Aug 1984	Versaggi et al.			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
	BL	EP 0880953	14 May 1998	Europe			
	BM	FR 0500253	06 Mar 1920	France			
	BN	SU 0587941	06 Jan 1978	Soviet Union			
	BO	SU 1268175	07 Nov 1986	Soviet Union			
	BP	SW 0084485	01 Oct 1935	Germany			

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

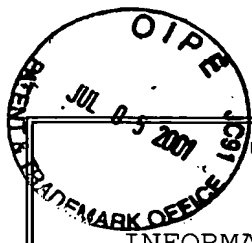
h	BR	Valenta, AIN April 1994; pp. 44-45 - "Using the Vacuum Dressing Alternative for Difficult Wounds"
	BS	Wolthuis, et al., Physiological Reviews July 1974; Vol. 54, No. 3, pp. 566-595 - "Physiological Effects of Locally Applied Reduced Pressure in Man"
	BT	Fleischmann- WundForum Spezial IHA 1994; pp. 54-55 - "Vacuum Sealing for Treatment of Problematical Wounds" (English translation provided)
	BU	Bucalo, et al., Wound Repair and Regeneration; July-Sept. 1993; pp. 181-186 - "Inhibition of Cell Proliferation by Chronic Wound Fluid"
	BV	Olenius, et al., Plastic and Reconstructive Surgery Feb. 1993; pp. 213-215 - "Mitotic Activity in Expanded Human Skin"
	BW	Viljanto, et al., Br. J. Surg. 1976; Vol. 63: pp. 427-430 - "Local Hyperalimentionation of Open Wounds"
	BX	Dunlop, et al., Br. J. Surg. May 1990; Vol. 77: pp. 562-563 - "Vacuum Drainage of Groin Wounds after Vascular Surgery: A Controlled Trial"
	BY	Comment-Dunlop et al., April 1991, pp. 505-506 on "Vacuum Drainage of Groin Wounds after Vascular Surgery"
h	BZ	Landis, et al., Alternate Suction and Pressure, pp. 925-961 - "The Effects of Alternate Suction and Pressure on Blood Flow to the Lower Extremities"

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Sheet 3 of 6

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L	CA	4,525,166	25 Jun 1985	LeClerc			
	CB	4,540,412	10 Sep 1985	Van Overloop			
	CC	4,569,674	11 Feb 1986	Phillips et al.			
	CD	4,573,965	04 Mar 1986	Russo			
	CE	4,605,399	12 Aug 1986	Weston et al.			
	CF	4,608,041	26 Aug 1986	Nielsen			
	CG	4,624,656	25 Nov 1986	Clark et al.			
	CH	4,655,754	07 Apr 1987	Richmond et al.			
	CI	4,661,093	Beck et al.	Beck et al.			
	CJ	4,717,382	05 Jan 1988	Clemens et al.			
L	CK	4,743,232	10 May 1988	Kruger			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
L	CL	WO 92/19313	12 Nov 1992	WO			
	CM	WO 92/20299	26 Nov 1992	WO			
	CN	WO 93/09727	27 May 1993	WO			
	CO	WO 96/05873	29 Feb 1996	WO			
L	CP	WO 90/11795	18 Oct 1990	WO			

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

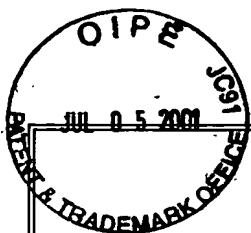
L	CR	Morykwas, et al., Extracellular Matric and Healing 1993, pp. 800 - "Use of Negative Pressure to Increase the Rate of Granulation Tissue Formation in Chronic Open Wounds"
	CS	Svedman, et al., Annals of Plastic Surgery Aug. 1986; Vol. 17, No. 2: pp. 125-133 - "A Dressing System Providing Fluid Supply and Suction Drainage Used for Continuous or Intermittent Irrigation"
	CT	Schneider, et al., Plastic and Reconstructive Surgery Sept. 1998, pp. 1195-1198 - "A New and Reliable Method of Securing Skin Grafts to the Difficult Recipient Bed"
	CU	Morykwas, et al., www.sma.org/soa/jsoawt97 - "Nonsurgical Modalities to Enhance Healing and Care of Soft Tissue Wounds"
	CV	Chariker, et al., Contemporary Surgery June 1989; Vol. 34: pp. 59-63 - "Effective Management of Incisional and Cutaneous Fistulae with Closed Suction Wound Drainage"
	CW	Tittel, Eingag und Annahme des Manuskripts, Jan. 7, 1987, pp. 104-107 - "New Standards in Postoperative Wound Drainage"
	CX	Genecov, et al., Annals of Plastic Surgery March 1998, Vol. 40, No. 3: pp. 219-225 - "A Controlled Sub-atmospheric Pressure Dressing Increases the Rate of Skin Graft Donor Site Reepithelialization"
	CY	Morykwas, et al., Annals of Plastic Surgery June 1997; Vol. 38, No. 6 - "Vacuum-Assisted Closure: A New Method for Wound Control and Treatment: Animal Studies and Basic Foundation"
L	CZ	Argenta, et al., Annals of Plastic Surgery June 1997; Vol. 38, No. 6 - "Vacuum-Assisted Closure: A New Method for Wound Control and Treatment: Clinical Experience"

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Sheet 4 of 6

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h	DA	4,759,354	26 Jul 1988	Quarffot			
1	DB	4,820,265	11 Apr 1989	DeSarnick et al.		1	
	DC	4,820,284	11 Apr 1989	Hauri			
	DD	4,834,110	30 May 1989	Richard			
	DE	4,872,450	10 Oct 1989	Austad			
	DF	4,906,240	06 Mar 1990	Reed et al			
	DG	4,917,112	17 Apr 1990	Kalt			
	DH	4,941,882	17 Jul 1990	Ward et al.			
	DI	4,953,565	04 Sep 1990	Tachibana et al			
	DJ	4,969,880	13 Nov 1990	Zamierowski			
h	DK	4,969,881	13 Nov 1990	Viesturs			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
h	DL	WO 91/00718	24 Jan 1991	WO			
	DM						
	DN						
	DO						
	DP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

DR	Patent Application and Drawings - "Method of Treating Tissue Damage and Apparatus for Same" consisting of 28 pages
DS	Patent Application and Drawings - "The Enhancement of Wound Healing and Flap Survival by a New Negative Pressure Device", Argenta et al., consisting of 30 pages
DT	Nakayama, et al., Ann Plast Surg. May 1991; Vol. 26, No. 5: pp. 499-502 - "A New Dressing of Wound Healing and Flap Survival by a New Negative Pressure Device"
DU	Medical Industry Week - article "KCI Offers New Treatment for Non-Healing Wounds"
DV	Nakayama, et al., Plast. Reconstr. Surg. Dec. 1990; Vol. 86 No. 6 pp. 1216-1219 - "A New Method for the Dressing of Free Skin Grafts"
DW	Sames, Br. Med. J. Nov. 5, 1977; Vol. 2, No. 6096: 1123 - "Sealing of Wounds with Vacuum Drainage"
DX	Fleishmann, et al., Unfallchirurg, 1993; 96:488-492 - "Vacuum Sealing for Treatment of Soft Tissue Injury in Open Fractures" (English translation of the Summary provided)
DY	Teder, et al., J. of Invest. Surg. 1990; Vol. 3: pp. 399-407 - "Continuous Wound Irrigation in the Pig"
DZ	Wood, et al., Br. J. of Surg. 1977; Vol. 64: pp. 554-557 - "Foam Elastomer Dressing in the Management of Open Granulating Wounds: Experience with 250 Patients"

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W	FA	5,735,833	07 Apr 1998	Olson			Appropriate
W	FB	5,817,145	06 Oct 1998	Augustine et al.			
	FC	5,928,174	27 Jul 1999	Gibbins			
	FD	5,947,914	07 Sep 1999	Augustine			
	FE	5,954,680	21 Sep 1999	Augustine			
	FF	5,961,480	05 Oct 1999	Augustine			
	FG	5,964,721	12 Oct 1999	Augustine			
	FH	5,964,723	12 Oct 1999	Augustine			
	FI	5,986,163	16 Nov 1999	Augustine			
W	FJ	6,010,527	04 Jan 2000	Augustine et al.			
	FK						

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	FL						
	FM						
	FN						
	FO						
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W	FR	Brochure - Wells Johnson Company - Point 5 Aspirator
W	FS	Brochure - Microtek Heritage, Inc. - The Wound Evac ET, Closed Wound Suction System
	FT	Brochure - KCI - The V.A.C. (Vacuum Assisted Closure)
	FU	Brochure - Augustine Medical, Warm-Up Active Wound Therapy Wound Covers, 1999
W	FV	Brochure - Series 55 - Emerson Post-Operative Suction Pumps
W	FW	Brochure - Emerson Transport Suction Unit
	FX	
	FY	
	FZ	

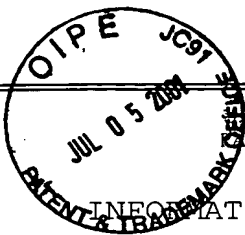
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L	EA	5,086,764	11 Feb 1992	Gilman			
A	EB	5,100,396	31 Mar 1992	Zamierowski			
	EC	5,106,362	21 Apr 1992	Gilman			
	ED	5,149,331	22 Sep 1992	Ferdman et al.			
	EE	5,228,431	20 Jul 1993	Giarretto			
	EF	5,261,893	16 Nov 1993	Zamierowski			
	EG	5,298,015	29 Mar 1994	Komatsuzaki, et al.			
	EH	5,527,293	18 Jun 1996	Zamierowski			
	EI	5,578,022	26 Nov 1996	Scherson et al.			
	EJ	5,636,643	10 Jun 1997	Argenta et al.			
L	EK	5,645,081	08 Jul 1997	Argenta et al.			

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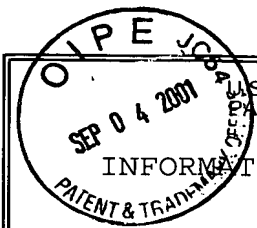
L	ER	Neumann, et al., J. of Biomed. Materials Research 1981; Vol. 15: pp. 9-18 - "Gelatin-Based Sprayable Foam as a Skin Substitute"
A	ES	Kostluchenok et al., Vestn. Khir. Sept. 1986 - "Vacuum Treatment in the Surgical Treatment of Suppurative Wounds" (English translation by R. McElroy Translation Co., Austin, Texas)
	ET	Lundvall, et al., Acta. Physiol. Scand. 1989; Vol. 136: pp. 403-409 - "Transmission of Externally Applied Negative Pressure to the Underlying Tissue. A Study on the Upper Arm of Man"
	EU	Brochure - Aeros - Instavac Aspirator
	EV	Brochure - Pleur-Evac Adult-Pediatric - Non-Metered Disposable "3-Bottle" Unit, A-4000
	EW	Brochure - Hiblow Air Pump
	EX	Brochure - Aeros - Care-E-Vac
	EY	Brochure - Aeros - MobilvacII
L	EZ	Bochure/Instruction Manual - Creative Medical Laboratories, Inc. - TUGS (Transportable Universal Gradient Suction) System

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